BRS L4 17 4873566.pn. or 4897711.pn. or 5052009.pn. or 5089861.pn. or 5748658.pn. or "5763888" 5812717.pn. or 5835514.pn. or 6081638.pn. or 6194789.pn. or 6205274.pn. or 6275513.pn. or 6521989.pn. or 6588949.pn.     USPAT
2004/04/05 12:47     0
BRS L5 7     4 and window USPAT     2004/04/05 13:31
0
BRS L6 1     5574814.pn.   USPAT; US-PGPUB 2004/04/05 14:49
0
BRS L7 23     5574814.URPN.     USPAT     2004/04/05 13:31
0
BRS L8 5     alles.in. and laser     USPAT; US-PGPUB 2004/04/05 14:51
0
BRS L9 282     (laser with package) and hermetic$8 and window$6 USPAT; US-
PGPUB     2004/04/05 14:52     0

BRS 903     VCSEL     USPAT     2003/02/07 14:27     0
BRS 210     VCSEL not semiconductor     USPAT     2002/09/14 17:19
0
BRS 130     ((integrated adj1 circuit) with IC) and 385/$.ccls.     USPAT
2002/09/14 17:21     0
BRS 1     5631988.pn.   USPAT     2003/02/07 14:31     0
BRS 317     (window or plate) and 385/92.ccls.     USPAT     2003/02/07 14:33
0
BRS 630     385/92.ccls.   USPAT     2003/02/07 14:32     0
BRS 39     ((window or plate) with (VCSEL or chip)) and 385/92.ccls. USPAT
2003/02/07 14:45     0
BRS 25     (((window or plate) with (VCSEL or chip)) and 385/92.ccls.) and
(hermetic$9 or seal$6)     USPAT     2003/02/07 14:36     0
BRS 39     ((window or plate) with (VCSEL or chip$6)) and 385/92.ccls.
USPAT     2003/02/07 14:40     0
BRS 46     ((window or plate or port) with (VCSEL or chip)) and 385/92.ccls.
USPAT     2003/02/07 20:13     0
BRS 15     ((window or plate or port) with (VCSEL or chip)) and 385/92.ccls. and
((window or plate or port) with (conduct$6 or trace))     USPAT     2003/02/07
20:08     0
BRS 4116     ((window or plate or port) with (VCSEL or chip)) and ((window or plate
or port) with (conduct$6 or trace))     USPAT     2003/02/07 20:09
0
BRS 907     (((window or plate or port) with (VCSEL or chip)) and ((window or plate
or port) with (conduct$6 or trace))) and optic$6     USPAT     2003/02/07 20:11
0
BRS 384     ((((window or plate or port) with (VCSEL or chip)) and ((window or plate
or port) with (conduct$6 or trace))) and optic$6) and (hermet$9 or seal$3) USPAT
2003/02/07 20:12     0

BRS 41 (((((window or plate or port) with (VCSEL or chip)) and ((window or plate or port) with (conduct$6 or trace))) and optic$6) and (hermet$9 or seal$3) ) and 385/$.ccls. USPAT 2003/02/07 20:12 0

BRS 32 ((((((window or plate or port) with (VCSEL or chip)) and ((window or plate or port) with (conduct$6 or trace))) and optic$6) and (hermet$9 or seal$3) ) and 385/$.ccls.) not (((window or plate or port) with (VCSEL or chip)) and 385/92.ccls.) USPAT 2003/02/08 23:47 0

BRS 15 5574814.URPN. USPAT 2003/07/26 13:57 0

BRS 3 5574814.URPN. and (window or sapphire) USPAT 2003/02/08 17:14 0

BRS 4 VCSEL same (window near2 lens) USPAT 2003/02/08 17:37 0

BRS 12 VCSEL and (window near2 lens) USPAT 2003/02/08 18:05 0

BRS 8 (VCSEL and (window near2 lens)) not (VCSEL same (window near2 lens)) USPAT 2003/02/08 17:38 0

BRS 8 5625189.URPN. USPAT 2003/02/08 17:54 0

BRS 3 6114700.URPN. USPAT 2003/02/08 18:00 0

BRS 39 VCSEL and (window with lens) USPAT 2003/02/08 18:05 0

BRS 14 VCSEL same (window with lens) USPAT 2003/02/08 18:06 0

BRS 10 (VCSEL same (window with lens)) not (VCSEL same (window near2 lens)) not (VCSEL and (window near2 lens)) USPAT 2003/10/24 17:37 0

BRS 7 6056448.URPN. USPAT 2003/02/08 18:08 0

BRS 6 6318909.URPN. USPAT 2003/02/08 18:30 0

BRS 6 5821571.URPN. USPAT 2003/02/08 18:51 0

BRS 5 ((VCSEL same (window with lens)) not (VCSEL same (window near2 lens)) not (VCSEL and (window near2 lens))) and (hermet$9 or seal$3) USPAT 2003/02/08 19:29 0

BRS 4 (((VCSEL same (window with lens)) not (VCSEL same (window near2 lens)) not (VCSEL and (window near2 lens))) and (hermet$9 or seal$3)) and sapphire USPAT 2003/02/08 19:36 0

BRS 79 (mold$6 or press$6) with sapphire with glass USPAT 2003/02/08 22:34 0

BRS 42 quartz adj1 epoxy USPAT 2003/02/08 23:01 0

BRS 12 (quartz near1 quartz) with window USPAT 2003/02/08 23:02 0

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|---|---|---|---|---|
| BRS | 219 | (quartz near1 sapphire) with window USPAT | | 2003/02/08 23:02 |
| | | 0 | | |
| BRS | 75 | ((quartz near1 sapphire) with window) and (fiber with optic$6) | | |
| | | USPAT | 2003/02/08 23:19 | 0 |
| BRS | 0 | trace with window with metal$9 with external$6 | USPAT | |
| | | 2003/02/08 23:21 | 0 | |
| BRS | 19 | trace with window with external$6 | USPAT | 2003/02/08 23:21 |
| | | 0 | | |
| BRS | 1 | 5574814.pn. and (window with solder) | USPAT | 2003/02/08 |
| | 23:48 | 0 | | |
| BRS | 1 | 5574814.pn. and (window same solder) | USPAT | 2003/02/08 |
| | 23:53 | 0 | | |
| BRS | 312 | hermetic$9 and (window with adhes$6) | USPAT | 2003/02/08 |
| | 23:55 | 0 | | |
| BRS | 44 | (hermetic$9 and (window with adhes$6)) and (optic$6 with fiber) | | |
| | | USPAT | 2003/02/08 23:55 | 0 |
| BRS | 18 | 5574814.URPN. | USPAT | 2003/07/26 16:49 |
| | | 0 | | |
| BRS | 1 | 5636298.pn. and (window same trac$6) | USPAT | 2003/07/26 |
| | 16:27 | 0 | | |
| BRS | 3 | VCSEL with hermet$9 | USPAT | 2003/07/26 15:48 |
| | | 0 | | |
| BRS | 1 | 5939773.pn. USPAT | 2003/07/26 15:49 | 0 |
| BRS | 3 | 5939773.URPN. | USPAT | 2003/07/26 15:49 |
| | | 0 | | |
| BRS | 30 | (window with trac$6) with solder$6 USPAT | | 2003/07/26 16:28 |
| | | 0 | | |
| BRS | 10 | ((window with trac$6) with solder$6) and optic$6 | USPAT | |
| | | 2003/07/26 16:28 | 0 | |
| BRS | 1 | 5574814.PN. and ("116" same "131") | USPAT | 2003/07/26 |
| | 17:29 | 0 | | |
| BRS | 0 | 5574814.PN. and ("116" same "131" same "130") | USPAT | |
| | | 2003/07/26 16:52 | 0 | |
| BRS | 1 | 5574814.PN. and ("116" same "131") and "130" | USPAT | |
| | | 2003/07/27 10:40 | 0 | |
| BRS | 1 | "19527026" with DE USPAT | 2003/07/27 10:42 | |
| | | 0 | | |
| BRS | 1 | "19527026" and optic$6 | USPAT | 2003/07/27 11:09 |
| | | 0 | | |
| BRS | 109 | Haruhiko.in. and fujitsu | USPAT | 2003/07/27 11:12 |
| | | 0 | | |
| BRS | 20 | (Haruhiko.in. and fujitsu) and tabuchi | USPAT | 2003/07/27 |
| | 11:11 | 0 | | |
| BRS | 33 | tabuchi.in. and fujitsu USPAT | 2003/07/27 11:24 | |
| | | 0 | | |

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|---|---|---|---|---|---|
| BRS | 0 0 | tabuchi.in. and "07134223" | USPAT | 2003/07/27 11:25 | |
| BRS | 0 0 | tabuchi.in. and "7134223" | USPAT | 2003/07/27 11:26 | |
| BRS | 0 0 | tabuchi.in. and "05279967" | USPAT | 2003/07/27 11:25 | |
| BRS | 1 | "05279967" | USPAT | 2003/07/27 11:29 | 0 |
| BRS | 0 | "7134223" | USPAT | 2003/07/27 11:26 | 0 |
| BRS | 0 | "07134223" | USPAT | 2003/07/27 11:28 | 0 |
| BRS | 0 | "07134223" | JPO | 2003/07/27 11:28 | 0 |
| BRS | 0 | "7134223" | JPO | 2003/07/27 11:30 | 0 |
| BRS | 1 | "05279967" | JPO | 2003/07/27 11:30 | 0 |
| BRS | 1 | "05279967" | DERWENT | 2003/07/27 11:30 | 0 |
| BRS | 0 | "7134223" | DERWENT | 2003/07/27 11:30 | 0 |
| BRS | 0 | "07134223" | DERWENT | 2003/07/27 11:31 | 0 |
| BRS | 132 | $6"134223" | DERWENT | 2003/07/27 11:31 | 0 |
| BRS | 7 0 | $6"134223" and optic$6 | DERWENT | 2003/07/27 11:35 | |
| BRS | 0 0 | tabuchi and 23-05-95 | USPAT; JPO; DERWENT | 2003/07/27 11:36 | |
| BRS | 0 0 | haruhiko and 23-05-95 | USPAT; JPO; DERWENT | 2003/07/27 11:36 | |
| BRS | 0 0 | tabuchi and 10-11-93 | USPAT; JPO; DERWENT | 2003/07/27 11:36 | |
| BRS | 0 0 | haruhiko and 10-11-93 | USPAT; JPO; DERWENT | 2003/07/27 11:36 | |
| BRS | 0 0 | haruhiko and "10-11-93" | USPAT; JPO; DERWENT | 2003/07/27 11:37 | |
| BRS | 78 0 | (haruhiko with tabuchi) and semiconductor | USPAT; JPO; DERWENT | 2003/07/27 11:40 | |
| BRS | 0 0 | ((haruhiko with tabuchi) and semiconductor) and go2b | USPAT; JPO; DERWENT | 2003/07/27 11:40 | |
| BRS | 0 0 | ((haruhiko with tabuchi) and semiconductor) and g02b | USPAT; JPO; DERWENT | 2003/07/27 11:40 | |
| BRS | 0 0 | (haruhiko with tabuchi) and go2b | USPAT; JPO; DERWENT | 2003/07/27 11:41 | |
| BRS | 0 0 | (haruhiko with tabuchi) and g02b | USPAT; JPO; DERWENT | 2003/07/27 11:41 | |
| BRS | 17 0 | (tabuchi) and g02b | USPAT; JPO; DERWENT | 2003/07/27 11:57 | |
| BRS | 2 0 | "19527026" | USPAT; JPO; DERWENT | 2003/07/27 12:00 | |
| BRS | 1 | 5925898.pn. | USPAT | 2003/07/27 20:52 | 0 |
| BRS | 202 | Sasaoka.in. | USPAT | 2003/07/27 20:53 | 0 |
| BRS | 54 0 | Sasaoka.in. and sumitomo | USPAT | 2003/07/27 20:53 | |

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|---|---|---|---|---|---|
| BRS | 0 | (Sasaoka.in. and sumitomo) and hidemoto | USPAT | 2003/07/27 | |
| 20:54 | | 0 | | | |
| BRS | 0 | (Sasaoka.in. and sumitomo) and $6"335648" | USPAT | 2003/07/27 | |
| 20:55 | | 0 | | | |
| BRS | 21 | (Sasaoka.in. and sumitomo) and "1550" | USPAT | 2003/07/28 | |
| 07:04 | | 0 | | | |
| BRS | 1 | 6181858.pn. | USPAT | 2003/07/28 07:23 | 0 |
| BRS | 1 | 6181858.pn. and (single with mode) | USPAT | 2003/07/28 08:50 | |
| | | 0 | | | |
| BRS | 3 | 10-246830 | USPAT; JPO; DERWENT | 2003/07/28 08:51 | |
| | | 0 | | | |

BRS    61    (VCSEL same (window with lens)) not (VCSEL same (window near2
lens)) not (VCSEL and (window near2 lens))        USPAT; US-PGPUB 2003/10/24
17:31        0

BRS    11    (VCSEL same (window with lens)) not (VCSEL same (window near2
lens)) not (VCSEL and (window near2 lens))        USPAT        2003/10/24 17:31
        0

BRS    11    (VCSEL same (window with lens)) not (VCSEL same (window near2
lens)) not (VCSEL and (window near2 lens))        USPAT        2003/10/24 17:32
        0

BRS    11    (VCSEL same (window with lens)) not (VCSEL same (window near2
lens)) not (VCSEL and (window near2 lens))        USPAT        2003/10/24 17:33
        0

BRS    13    (VCSEL same (window with lens)) not (VCSEL same (window near2
lens))  USPAT        2003/10/24 17:37        0

BRS    20    (VCSEL same (window with lens))  USPAT        2003/10/24 18:15
        0

BRS    16    4873566.pn. or 4897711.pn. or 5052009.pn. or 5089861.pn. or
5748658.pn. or "5763888" 5812717.pn. or 5835514.pn. or 6081638.pn. or 6194789.pn. or
6205274.pn. or 6275513.pn. or 6521989.pn. or 6588949.pn.USPAT        2004/04/05
12:47        0

BRS    14    4873566.pn. or 4897711.pn. or 5052009.pn. or 5089861.pn. or
5748658.pn. or 5763888.pn. or 5812717.pn. or 5835514.pn. or 6081638.pn. or
6194789.pn. or 6205274.pn. or 6275513.pn. or 6521989.pn. or 6588949.pn.
        USPAT        2003/12/03 21:25        0

BRS    182    (bump with bond$6) same (sapph$8 or window$4)  USPAT
        2003/12/03 21:26        0

BRS    51    (bump with bond$6) with (sapph$8 or window$4)  USPAT
        2003/12/04 11:47        0

BRS    1    6603209.pn. and (solder$6 near2 bump$4)  USPAT        2003/12/04
09:30        0

BRS    3    (bump with bond$6) with (sapph$8 or window$4) and 385/$.ccls.
        USPAT        2003/12/04 11:09        0

BRS    12    ((bump with bond$6) with (sapph$8 or window$4)) and housing
        USPAT        2003/12/04 13:38        0

BRS 502 257/$6.ccls. and window and (photonic or optoelectronic or "opto-electronic") USPAT 2003/12/04 15:32 0

BRS 36 257/$6.ccls. and window and (photonic or optoelectronic or "opto-electronic") and 385/$.ccls. USPAT 2003/12/04 13:41 0

BRS 20 257/$6.ccls. and window and (photonic or optoelectronic or "opto-electronic") and (window near2 lens$3) USPAT 2003/12/04 15:06 0

BRS 35 257/$6.ccls. and window and (photonic or optoelectronic or "opto-electronic")and VCSEL USPAT 2003/12/04 15:32 0

BRS 53 257/$6.ccls. and window and (photonic or optoelectronic or "opto-electronic")and VCSEL USPAT; US-PGPUB 2003/12/04 15:32 0

BRS 4 mooney.xa. and 310/$.ccls. USPAT; JPO; DERWENT 2004/03/31 15:52 0